

**AMENDMENTS TO THE CLAIMS**

1. **(Currently Amended)** A hybridization method comprising contacting a solution comprising a sample biopolymer with only a glass slide, wherein a probe biopolymer is immobilized to the glass slide,

placing the glass slide into a vessel comprising a solution, wherein a difference in a vapor pressure between the vessel solution and the solution comprising the sample biopolymer is the difference in the vapor pressure produced as a difference in molar concentration ranging from -10% to +8% between solutes in the vessel solution and the solution comprising the sample biopolymer having the same vapor pressure as the solution comprising the sample biopolymer, and wherein the vessel solution is not in contact with the solution comprising the sample biopolymer;

closing the vessel,

hybridizing the sample biopolymer and the probe biopolymer.

2. **(Previously Presented)** The hybridization method according to claim 1, wherein the glass slide comprises a hydrophilic region having a surface to which a plurality of probe biopolymers are immobilized and a hydrophobic region, to which no probe biopolymer is immobilized, which is formed around the hydrophilic region.

3. **(Previously Presented)** The hybridization method according to claim 2, wherein the glass slide is a microarray formed by arranging a plurality of hydrophilic regions to which a

plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

4. (Withdrawn) A hybridization microarray to be applied to the hybridization according to claim 1, formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

5. (Withdrawn) A hybridization kit to be applied to the hybridization according to claim 1, comprising: a microarray formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions; and a closed vessel having an internal space capable of storing said microarray.

6. (Previously Presented) The hybridization method of claim 1, wherein a volume of solution in the closed vessel is at least five times the quantity of the solution comprising the sample biopolymer.

7. (Previously Presented) The hybridization method of claim 1, wherein the sample biopolymer is selected from the group consisting of DNA, RNA, peptide and protein.

8. (Previously Presented) The hybridization method of claim 1, wherein the probe biopolymer is selected from the group consisting of DNA, RNA, peptide and protein.